

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER: _____**

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

| L Number | Hits | Search Text | DB | Time stamp |
|----------|--------|--|---|------------------|
| 1 | 379 | 702/80-84,179-188.ccls. and 700/9,28-30,32,33,36,47,49,51,97-111,121,171,173,174,179.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 19:41 |
| 2 | 11020 | 702/80-84,179-188.ccls. or 700/9,28-30,32,33,36,47,49,51,97-111,121,171,173,174,179.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 21:42 |
| 3 | 2318 | ((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data) with (process\$3 or condition\$3 or operation\$4 or manufactur\$4 or fabricat\$4 or tool\$3 or etch\$3 or deposit\$4 or planariz\$7 or RTP or WET or metrology or inspect\$4 or fab)).clm. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 19:46 |
| 4 | 68 | (702/80-84,179-188.ccls. or 700/9,28-30,32,33,36,47,49,51,97-111,121,171,173,174,179.ccls.) and (((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data) with (process\$3 or condition\$3 or operation\$4 or manufactur\$4 or fabricat\$4 or tool\$3 or etch\$3 or deposit\$4 or planariz\$7 or RTP or WET or metrology or inspect\$4 or fab)).clm.) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 19:43 |
| 5 | 68 | (702/80-84,179-188.ccls. or 700/9,28-30,32,33,36,47,49,51,97-111,121,171,173,174,179.ccls.) and (((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data) with (process\$3 or condition\$3 or operation\$4 or manufactur\$4 or fabricat\$4 or tool\$3 or etch\$3 or deposit\$4 or planariz\$7 or RTP or WET or metrology or inspect\$4 or fab)).clm.) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 19:44 |
| 6 | 68 | (702/80-84,179-188.ccls. or 700/9,28-30,32,33,36,47,49,51,97-111,121,171,173,174,179.ccls.) and (((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data) with (process\$3 or condition\$3 or operation\$4 or manufactur\$4 or fabricat\$4 or tool\$3 or etch\$3 or deposit\$4 or planariz\$7 or RTP or WET or metrology or inspect\$4 or fab)).clm.) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 20:23 |
| 7 | 188184 | ((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)) or ((first and second) near2 (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)) or (another near2 (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 21:38 |
| 8 | 783947 | (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data) with (process\$3 or condition\$3 or operation\$4 or manufactur\$4 or fabricat\$4 or tool\$3 or etch\$3 or deposit\$4 or planariz\$7 or RTP or WET or metrology or inspect\$4 or fab or measur\$8 or (cycle near2 time) or pressure or temperature or temp) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 19:48 |

| | | | | |
|----|--------|---|---|------------------|
| 9 | 15255 | (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data) with (process\$3 or condition\$3 or operation\$4 or manufactur\$4 or fabricat\$4 or tool\$3 or etch\$3 or deposit\$4 or planariz\$7 or RTP or WET or metrology or inspect\$4 or fab or measur\$8 or (cycle near2 time) or pressure or temperature or temp) with (repeat\$7 or re-iterat\$7 or reiterat\$7 or recomput\$7 or recalculat\$4 or re-comput\$7 or re-calculat\$4 or re-evaluat\$5 or reevaluat\$5 or iterat\$5 or re-filter\$3 or refilter\$3 or resimulat\$4 or re-simulat\$4 or remodel\$4 or re-model\$4 or rematch\$4 or re-match\$4) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 21:40 |
| 10 | 4939 | ((subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data) with (process\$3 or condition\$3 or operation\$4 or manufactur\$4 or fabricat\$4 or tool\$3 or etch\$3 or deposit\$4 or planariz\$7 or RTP or WET or metrology or inspect\$4 or fab or measur\$8 or (cycle near2 time) or pressure or temperature or temp) with (repeat\$7 or re-iterat\$7 or reiterat\$7 or recomput\$7 or recalculat\$4 or re-comput\$7 or re-calculat\$4 or re-evaluat\$5 or reevaluat\$5 or iterat\$5 or re-filter\$3 or refilter\$3 or resimulat\$4 or re-simulat\$4 or remodel\$4 or re-model\$4 or rematch\$4 or re-match\$4)) and (((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)) or ((first and second) near2 (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)) or (another near2 (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 19:50 |
| 11 | 97 | (702/80-84,179-188.ccls. or 700/9,28-30,32,33,36,47,49,51,97-111,121,171,173,174,179.ccls.) and (((subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data) with (process\$3 or condition\$3 or operation\$4 or manufactur\$4 or fabricat\$4 or tool\$3 or etch\$3 or deposit\$4 or planariz\$7 or RTP or WET or metrology or inspect\$4 or fab or measur\$8 or (cycle near2 time) or pressure or temperature or temp) with (repeat\$7 or re-iterat\$7 or reiterat\$7 or recomput\$7 or recalculat\$4 or re-comput\$7 or re-calculat\$4 or re-evaluat\$5 or reevaluat\$5 or iterat\$5 or re-filter\$3 or refilter\$3 or resimulat\$4 or re-simulat\$4 or remodel\$4 or re-model\$4 or rematch\$4 or re-match\$4)) and (((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)) or ((first and second) near2 (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)) or (another near2 (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 19:50 |
| 12 | 9 | 6061640.URPN. | USPAT | 2004/09/11 20:14 |
| 13 | 19 | 5715181.URPN. | USPAT | 2004/09/11 20:23 |
| 14 | 2 | 6681197.bn. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 20:24 |
| 15 | 111236 | ((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data or ((first and second) near2 set) or (another near2 set))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 21:47 |

| | | | | |
|----|--------|--|---|------------------|
| 16 | 2727 | ((subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data) near4 (requir\$7 or target\$4 or specifi\$8 or criteria or spec or evaluat\$4 or desired or range or limit or threshold)) with (repeat\$7 or re-iterat\$7 or reiterat\$7 or recomput\$7 or recalculat\$4 or re-comput\$7 or re-calculat\$4 or re-evaluat\$5 or iterat\$5 or re-filter\$3 or refilter\$3 or resimulat\$4 or re-simulat\$4 or remodel\$4 or re-model\$4 or rematch\$4 or re-match\$4) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 21:48 |
| 17 | 658 | (((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data or ((first and second) near2 set) or (another near2 set)))) and (((subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data) near4 (requir\$7 or target\$4 or specifi\$8 or criteria or spec or evaluat\$4 or desired or range or limit or threshold)) with (repeat\$7 or re-iterat\$7 or reiterat\$7 or recomput\$7 or recalculat\$4 or re-comput\$7 or re-calculat\$4 or re-evaluat\$5 or iterat\$5 or re-filter\$3 or refilter\$3 or resimulat\$4 or re-simulat\$4 or remodel\$4 or re-model\$4 or rematch\$4 or re-match\$4)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 21:42 |
| 18 | 9 | (702/80-84,179-188.ccls. or 700/9,28-30,32,33,36,47,49,51,97-111,121,171,173,174,179.ccls.) and (((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data or ((first and second) near2 set) or (another near2 set)))) and (((subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data) near4 (requir\$7 or target\$4 or specifi\$8 or criteria or spec or evaluat\$4 or desired or range or limit or threshold)) with (repeat\$7 or re-iterat\$7 or reiterat\$7 or recomput\$7 or recalculat\$4 or re-comput\$7 or re-calculat\$4 or re-evaluat\$5 or iterat\$5 or re-filter\$3 or refilter\$3 or resimulat\$4 or re-simulat\$4 or remodel\$4 or re-model\$4 or rematch\$4 or re-match\$4))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 21:50 |
| 19 | 112526 | ((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3 or histogram) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data or ((first and second) near2 set) or (another near2 set))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 21:48 |
| 20 | 117636 | ((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3 or histogram) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data or cluster\$4 or ((first and second) near2 set) or (another near2 set))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 21:49 |
| 21 | 4433 | ((subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data or cluster\$4 or class\$9) near5 (requir\$7 or target\$4 or specifi\$8 or criteria or spec or evaluat\$4 or desired or range or limit or threshold)) with (repeat\$7 or re-iterat\$7 or reiterat\$7 or recomput\$7 or recalculat\$4 or re-comput\$7 or re-calculat\$4 or re-evaluat\$5 or reevaluat\$5 or iterat\$5 or re-filter\$3 or refilter\$3 or resimulat\$4 or re-simulat\$4 or remodel\$4 or re-model\$4 or rematch\$4 or re-match\$4) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 21:59 |
| 22 | 144624 | ((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3 or histogram) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data or cluster\$4 or class\$9 or ((first and second) near2 set) or (another near2 set))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 21:49 |

| | | | | |
|----|------|--|---|------------------|
| 24 | 1423 | ((subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data or cluster\$4 or class\$9) near5 (requir\$7 or target\$4 or specifi\$8 or criteria or spec or evaluat\$4 or desired or range or limit or threshold) with (repeat\$7 or re-iterat\$7 or reiterat\$7 or recomput\$7 or recalculat\$4 or re-comput\$7 or re-calculat\$4 or re-evaluat\$5 or reevaluat\$5 or iterat\$5 or re-filter\$3 or refilter\$3 or resimulat\$4 or re-simulat\$4 or remodel\$4 or re-model\$4 or rematch\$4 or re-match\$4)) and (((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3 or histogram) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data or cluster\$4 or class\$9 or ((first and second) near2 set) or (another near2 set)))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 22:00 |
| 25 | 21 | (702/80-84,179-188.ccls. or 700/9,28-30,32,33,36,47,49,51,97-111,121,171,173,174,179.ccls.) and (((subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data or cluster\$4 or class\$9) near5 (requir\$7 or target\$4 or specifi\$8 or criteria or spec or evaluat\$4 or desired or range or limit or threshold) with (repeat\$7 or re-iterat\$7 or reiterat\$7 or recomput\$7 or recalculat\$4 or re-comput\$7 or re-calculat\$4 or re-evaluat\$5 or reevaluat\$5 or iterat\$5 or re-filter\$3 or refilter\$3 or resimulat\$4 or re-simulat\$4 or remodel\$4 or re-model\$4 or rematch\$4 or re-match\$4)) and (((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3 or histogram) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data or cluster\$4 or class\$9 or ((first and second) near2 set) or (another near2 set)))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 21:50 |
| 26 | 9341 | ((subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data or cluster\$4 or class\$9) with (requir\$7 or target\$4 or specifi\$8 or criteria or spec or evaluat\$4 or desired or range or limit or threshold) with (repeat\$7 or re-iterat\$7 or reiterat\$7 or recomput\$7 or recalculat\$4 or re-comput\$7 or re-calculat\$4 or re-evaluat\$5 or reevaluat\$5 or iterat\$5 or re-filter\$3 or refilter\$3 or resimulat\$4 or re-simulat\$4 or remodel\$4 or re-model\$4 or rematch\$4 or re-match\$4)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 22:07 |
| 27 | 2663 | ((subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data or cluster\$4 or class\$9) with (requir\$7 or target\$4 or specifi\$8 or criteria or spec or evaluat\$4 or desired or range or limit or threshold) with (repeat\$7 or re-iterat\$7 or reiterat\$7 or recomput\$7 or recalculat\$4 or re-comput\$7 or re-calculat\$4 or re-evaluat\$5 or reevaluat\$5 or iterat\$5 or re-filter\$3 or refilter\$3 or resimulat\$4 or re-simulat\$4 or remodel\$4 or re-model\$4 or rematch\$4 or re-match\$4)) and (((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3 or histogram) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data or cluster\$4 or class\$9 or ((first and second) near or (another near2 set)))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 22:00 |
| 28 | 39 | (702/80-84,179-188.ccls. or 700/9,28-30,32,33,36,47,49,51,97-111,121,171,173,174,179.ccls.) and (((subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data or cluster\$4 or class\$9) with (requir\$7 or target\$4 or specifi\$8 or criteria or spec or evaluat\$4 or desired or range or limit or threshold) with (repeat\$7 or re-iterat\$7 or reiterat\$7 or recomput\$7 or recalculat\$4 or re-comput\$7 or re-calculat\$4 or re-evaluat\$5 or reevaluat\$5 or iterat\$5 or re-filter\$3 or refilter\$3 or resimulat\$4 or re-simulat\$4 or remodel\$4 or re-model\$4 or rematch\$4 or re-match\$4)) and (((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3 or histogram) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data or cluster\$4 or class\$9 or ((first and second) near2 set) or (another near2 set)))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 22:00 |

| | | | | |
|--------|-------|--|---|------------------|
| 29 | 18 | ((702/80-84,179-188.ccls. or 700/9,28-30,32,33,36,47,49,51,97-111,121,171,173,174,179.ccls.) and (((subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data or cluster\$4 or class\$9) with (requir\$7 or target\$4 or specifi\$8 or criteria or spec or evaluat\$4 or desired or range or limit or threshold)) with (repeat\$7 or re-iterat\$7 or reiterat\$7 or recomput\$7 or recalculat\$4 or re-comput\$7 or re-calculat\$4 or re-evaluat\$5 or reevaluat\$5 or iterat\$5 or re-filter\$3 or refilter\$3 or resimulat\$4 or re-simulat\$4 or remodel\$4 or re-model\$4 or rematch\$4 or re-match\$4)) and (((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3 or histogram) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data or cluster\$4 or class\$9 or ((first and second) near2 set) or (another near2 set)))))) not ((702/80-84,179-188.ccls. or 700/9,28-30,32,33,36,47,49,51,97-111,121,171,173,174,179.ccls.) and (((subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data or cluster\$4 or class\$9) near5 (requir\$7 or target\$4 or specifi\$8 or criteria or spec or evaluat\$4 or desired or range or limit or threshold)) with (repeat\$7 or re-iterat\$7 or reiterat\$7 or recomput\$7 or recalculat\$4 or re-comput\$7 or re-calculat\$4 or re-evaluat\$5 or reevaluat\$5 or iterat\$5 or re-filter\$3 or refilter\$3 or resimulat\$4 or re-simulat\$4 or remodel\$4 or re-model\$4 or rematch\$4 or re-match\$4)) and (((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3 or histogram) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data or cluster\$4 or class\$9 or ((first and second) near2 set) or (another near2 set)))))) 702/80-84.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 22:00 |
| 740 | 5 | "20030213613" "20030163212" "20030114948" "20020193899" "20020026257").PN. 438/\$.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/09 20:57 |
| 155848 | 53463 | (histor\$8 or previous or past or statistic\$7 or experimental\$2 or empirical\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/09 21:09 |
| 1218 | 308 | (438/\$.ccls. or 702/80-84,179-188.ccls. or 700/\$.ccls.) and ((histor\$8 or previous or past or statistic\$7 or experimental\$2 or empirical\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/10 00:33 |
| 63 | 308 | 702/80-84,179-188.ccls. and ((histor\$8 or previous or past or statistic\$7 or experimental\$2 or empirical\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/09 21:25 |
| | 63 | 702/80-84.ccls. and ((histor\$8 or previous or past or statistic\$7 or experimental\$2 or empirical\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/10 00:21 |

| | | | | |
|--|--------|--|---|------------------|
| | 35 | (database with computer).clm. and @py<1990 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/09 22:45 |
| | 260 | (database).ti. and @py<1990 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/09 22:45 |
| | 26 | (database with computer).ti. and @py<1990 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/09 22:45 |
| | 2 | 6259959.pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/10 00:32 |
| | 3303 | ((histor\$8 or previous or past or statistic\$7 or experimental\$2 or empirical\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)) same (model\$4 or simulat\$3 or emulat\$4 or CAD) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/10 19:08 |
| | 42 | ((histor\$8 or previous or past or statistic\$7 or experimental\$2 or empirical\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)) same (model\$4 or simulat\$3 or emulat\$4 or CAD)) and (700/9,28-30,32,33,36,47,49,51,97,99,108,121,171,173,174,179.ccls. or 702/80-84.ccls.) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/10 00:35 |
| | 6024 | 700/9,28-30,32,33,36,47,49,51,97,99,108,121,171,173,174,179.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/10 19:08 |
| | 197725 | 438/\$.ccls. or 702/80-84,179-188.ccls. or 700/\$.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/10 19:08 |
| | 13 | ((6671570 "6633788 "6584370 "6463345 "6442496 "6243615 "5764 or ((20030213613" "20030163212" "20030114948" "20020193899" 700/9,28-30,32,33,36,47,49,51,97,99,108,121,171,173,174,179.ccls. or 702/80-84.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/10 19:08 |
| | 6639 | 700/9,28-30,32,33,36,47,49,51,97,99,108,121,171,173,174,179.ccls. or 702/80-84.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/10 21:39 |
| | 3277 | ((histor\$8 or previous or past or statistic\$7 or experimental\$2 or empirical\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)) same (model\$4 or simulat\$3 or emulat\$4) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/10 21:33 |
| | 117 | 700/108.ccls. and 700/121.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/10 19:20 |
| | 147441 | ((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or prior) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/10 21:37 |

| | | | | |
|--|--------|---|---|------------------|
| | 147441 | ((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or prior) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)).clm | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/10 22:48 |
| | 4623 | 702/80-84,179-188.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/10 21:38 |
| | 6776 | 700/9,28-30,32,33,36,47,49,51,97-111,121,171,173,174,179.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/10 21:39 |
| | 753 | ((((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or prior) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)).clm) and (702/80-84,179-188.ccls. or 700/9,28-30,32,33,36,47,49,51,97-111,121,171,173,174,179.ccls.)) (((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or prior) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)).clm) and (702/80-84,179-188.ccls. or 700/9,28-30,32,33,36,47,49,51,97-111,121,171,173,174,179.ccls.)) and (702/80-84,179-188.ccls. and 700/9,28-30,32,33,36,47,49,51,97-111,121,171,173,174,179.ccls.) ((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/10 21:39 |
| | 57 | (((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or prior) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)).clm) and (702/80-84,179-188.ccls. or 700/9,28-30,32,33,36,47,49,51,97-111,121,171,173,174,179.ccls.)) (((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or prior) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)).clm) and (702/80-84,179-188.ccls. or 700/9,28-30,32,33,36,47,49,51,97-111,121,171,173,174,179.ccls.)) and (702/80-84,179-188.ccls. and 700/9,28-30,32,33,36,47,49,51,97-111,121,171,173,174,179.ccls.) ((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/10 21:40 |
| | 109134 | ((repeat\$7 or re-iterat\$7 or reiterat\$7 or recomput\$7 or recalculat\$4 or re-comput\$7 or re-calculat\$4 or re-evaluat\$5 or reevaluat\$5) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 00:29 |
| | 58381 | ((process\$3 or condition\$3 or setting or temp or temperature or pressure or time or cycle or speed or size or tool\$3 or etch\$3 or deposit\$4 or planariz\$7 or RTP or WET or metrology or inspect\$4) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/10 22:59 |
| | 831197 | ((process\$3 or condition\$3 or setting or temp or temperature or pressure or time or cycle or speed or size or tool\$3 or etch\$3 or deposit\$4 or planariz\$7 or RTP or WET or metrology or inspect\$4) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 00:22 |
| | 8143 | ((((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data))) and (((repeat\$7 or re-iterat\$7 or reiterat\$7 or recomput\$7 or recalculat\$4 or re-comput\$7 or re-calculat\$4 or re-evaluat\$5 or reevaluat\$5) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data))) and (((process\$3 or condition\$3 or setting or temp or temperature or pressure or time or cycle or speed or size or tool\$3 or etch\$3 or deposit\$4 or planariz\$7 or RTP or WET or metrology or inspect\$4) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/10 23:01 |

| | | | | |
|--|--------|--|---|------------------|
| | 90 | (702/80-84,179-188.ccls. or 700/9,28-30,32,33,36,47,49,51,97-111,121,171,173,174,179.ccls.) and (((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data))) and (((repeat\$7 or re-iterat\$7 or reiterat\$7 or recomput\$7 or recalculat\$4 or re-comput\$7 or re-calculat\$4 or re-evaluat\$5 or revaluat\$5) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data))) and (((process\$3 or condition\$3 or setting or temp or temperature or pressure or time or cycle or speed or size or tool\$3 or etch\$3 or deposit\$4 or planariz\$7 or RTP or WET or metrology or inspect\$4) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data))) ("3329181" "3942021" "4017976" "4149089" "4163321" "4221974" "4794963" "4805679" "5262956" "6463402").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/10 23:01 |
| | 10 | | USPAT | 2004/09/10 23:36 |
| | 27 | | USPAT | 2004/09/10 23:42 |
| | 967995 | ((process\$3 or condition\$3 or operation\$4 or manufactur\$4 or fabricat\$4 or tool\$3 or etch\$3 or deposit\$4 or planariz\$7 or RTP or WET or metrology or inspect\$4 or fab or technology or part or component) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or data-set or class or dataset or subdata or sub-data)) (((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data))) and (((process\$3 or condition\$3 or operation\$4 or manufactur\$4 or fabricat\$4 or tool\$3 or etch\$3 or deposit\$4 or planariz\$7 or RTP or WET or metrology or inspect\$4 or fab or technology or part or component) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or data-set or class or dataset or subdata or sub-data))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 19:48 |
| | 70469 | | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 00:28 |
| | 675741 | | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 00:28 |
| | 60041 | | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 00:29 |
| | 509 | (702/80-84,179-188.ccls. or 700/9,28-30,32,33,36,47,49,51,97-111,121,171,173,174,179.ccls.) and (((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data))) and (((process\$3 or condition\$3 or operation\$4 or manufactur\$4 or fabricat\$4 or tool\$3 or etch\$3 or deposit\$4 or planariz\$7 or RTP or WET or metrology or inspect\$4 or fab) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or data-set or class or dataset or subdata or sub-data))) ((702/80-84,179-188.ccls. or 700/9,28-30,32,33,36,47,49,51,97-111,121,171,173,174,179.ccls.) and (((histor\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data))) and (((process\$3 or condition\$3 or operation\$4 or manufactur\$4 or fabricat\$4 or tool\$3 or etch\$3 or deposit\$4 or planariz\$7 or RTP or WET or metrology or inspect\$4 or fab) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or data-set or class or dataset or subdata or sub-data)))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 00:29 |

| | | | | |
|--|-------|---|---|------------------|
| | 9390 | ((histo\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)).clm. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 00:30 |
| | 17319 | ((histo\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data)) with (process\$3 or condition\$3 or operation\$4 or manufactur\$4 or fabricat\$4 or tool\$3 or etch\$3 or deposit\$4 or planariz\$7 or RTP or WET or metrology or inspect\$4 or fab) (702/80-84,179-188.ccls. or 700/9,28-30,32,33,36,47,49,51,97-111,121,171,173,174,179.ccls.) and (((histo\$8 or previous\$3 or past or statistic\$7 or experimental\$2 or empirical\$3 or recent\$3) with (subset or sub-set or subgroup\$4 or sub-group\$4 or partition\$4 or group\$4 or dataset or subdata or sub-data) with (process\$3 or condition\$3 or operation\$4 or manufactur\$4 or fabricat\$4 or tool\$3 or etch\$3 or deposit\$4 or planariz\$7 or RTP or WET or metrology or inspect\$4 or fab)).clm.) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 00:30 |
| | 68 | | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/09/11 01:29 |